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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Sep 17   IMSworld Pharmaceutical Company Directory name change
                   to PHARMASEARCH
 NEWS  3  Oct 09   Korean abstracts now included in Derwent World Patents
                   Index
 NEWS  4  Oct 09   Number of Derwent World Patents Index updates increased
 NEWS  5  Oct 15   Calculated properties now in the REGISTRY/ZREGISTRY File
 NEWS  6  Oct 22   Over 1 million reactions added to CASREACT
 NEWS  7  Oct 22   DGENE GETSIM has been improved
 NEWS  8  Oct 29   AAASD no longer available
 NEWS  9  Nov 19   New Search Capabilities  USPATFULL and USPAT2
 NEWS 10  Nov 19   TOXCENTER(SM) - new toxicology file now available on STN
 NEWS 11  Nov 29   COPPERLIT now available on STN
 NEWS 12  Nov 29   DWPI revisions to NTIS and US Provisional Numbers
 NEWS 13  Nov 30   Files VETU and VETB to have open access
 NEWS 14  Dec 10   WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
 NEWS 15  Dec 10   DGENE BLAST Homology Search
 NEWS 16  Dec 17   WELDASEARCH now available on STN
 NEWS 17  Dec 17   STANDARDS now available on STN
 NEWS 18  Dec 17   New fields for DPCI
 NEWS 19  Dec 19   CAS Roles modified
 NEWS 20  Dec 19   1907-1946 data and page images added to CA and CAplus
 NEWS 21  Jan 25   BLAST(R) searching in REGISTRY available in STN on the Web
 NEWS 22  Jan 25   Searching with the P indicator for Preparations
 NEWS 23  Jan 29   FSTA has been reloaded and moves to weekly updates

 NEWS EXPRESS  August 15 CURRENT WINDOWS VERSION IS V6.0c,
               CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
               AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 12:19:19 ON 01 FEB 2002
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=> fil reg
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STRUCTURE FILE UPDATES:   30 JAN 2002  HIGHEST RN 388563-50-6
DICTIONARY FILE UPDATES:  30 JAN 2002  HIGHEST RN 388563-50-6

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between
12/27/01 and 1/23/02.  Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved.  Also, note that searches
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies.  Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=> fil caplus uspatfull biosis embase medline
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.32       0.47

FILE 'CAPLUS' ENTERED AT 12:19:52 ON 01 FEB 2002
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FILE 'MEDLINE' ENTERED AT 12:19:52 ON 01 FEB 2002

=> s pz or pyrazolyl or trispyrazoyl
L1       23095 PZ OR PYRAZOLYL OR TRISPYRAZOYL

=> s bh or boron hydride or borohydride
L2       68584 BH OR BORON HYDRIDE OR BOROHYDRIDE

=> s tb or terbium
L3       76494 TB OR TERBIUM

=> s lanthanide
L4       42562 LANTHANIDE

=> s organometallic complex
L5        1898 ORGANOMETALLIC COMPLEX

=> s l1(l)l2
L6        2267 L1(L) L2

=> s l1(p)l2
L7          63 L1(P) L2

=> s l7 and l3
L8           3 L7 AND L3

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9           3 DUP REM L8 (0 DUPLICATES REMOVED)

=> d ibib abs

L9   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:         1999:55807  CAPLUS
DOCUMENT NUMBER:          130:245582
TITLE:                    Lanthanide complexes of a new sterically hindered
                          potentially hexadentate podand ligand based on a
                          tris(pyrazolyl)borate core; crystal structures,
                          solution structures and luminescence properties
AUTHOR(S):                Reeves, Zoe R.; Mann, Karen L. V.; Jeffery, John C.;
                          McCleverty, Jon A.; Ward, Michael D.; Barigelletti,
                          Francesco; Armaroli, Nicola
CORPORATE SOURCE:         School of Chemistry, University of Bristol, Bristol,
                          BS8 1TS, UK
SOURCE:                   J. Chem. Soc., Dalton Trans. (1999), (3), 349-356
                          CODEN: JCDTBI; ISSN: 0300-9246
PUBLISHER:                Royal Society of Chemistry
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   The new podand ligand hydrotris[3-(6-methyl)pyridin-2-ylpyrazol-1-
     yl]borate [L1]- was prepd. which contains three bidentate
     pyrazolyl/pyridine arms attached to a {BH}- head-group.
     This ligand differs from an earlier ligand
hydrotris[3-(2-pyridyl)pyrazol-
     1-yl]borate [L2]- by the presence of Me groups attached to the C6
     positions of the pyridyl rings, which would interfere with each other
     sterically if the ligand coordinated in a fully hexadentate manner.
     Instead, crystallog. anal. of [M(L1)(NO3)2(H2O)] (M = Eu, Tb or
     Gd) showed that partial dissocn. of the podand occurs to relieve this
     potential steric problem: either one or two of the pyridyl groups are not
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coordinated, such that [L1]- is penta- or tetra-dentate, but instead are involved in intramol. N.cntdot..cntdot..cntdot.H-O hydrogen-bonding interactions with the coordinated water mol. The presence of both structural forms in single crystals of the gadolinium and europium complexes shows that interconversion between them in soln. must be facile.

Variable-temp. 1H NMR spectra of the diamagnetic lanthanum(III) analog shows that, whereas all three ligand arms are equiv. on the NMR timescale at high temps., at -80.degree. there is mirror symmetry in the complex such that two arms are equiv. and the 3rd is different from the other two;

this is consistent with the cryst. form in which [L1]- is tetradentate with two pendant pyridyl arms, which has pseudo-mirror symmetry. Luminescence studies showed that whereas the ligand-based luminescence is retained in the gadolinium(III) complex, in the europium(III) and **terbium**(III) complexes the ligand-centered emission is quenched by ligand-to-metal energy transfer, resulting in the usual metal-centered emission spectra. The intensity of the emission from the europium(III) and **terbium**(III) complexes of [L1]- is substantially reduced compared to the emission from the analogous complexes [M(L2)(NO3)2] (M = Eu or **Tb**) which the authors ascribe to the sterically induced poorer coordination of the podand ligand, resulting in (i) less efficient ligand-to-metal energy transfer, and (ii) coordination of labile solvent mols. (H2O) to the metal centers.

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2 ibib abs

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:806731 CAPLUS
DOCUMENT NUMBER: 130:73617
TITLE: Organometallic complexes
INVENTOR(S): Christou, Victor
PATENT ASSIGNEE(S): Isis Innovation Ltd., UK
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9855561	A1	19981210	WO 1998-GB1587	19980601
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9876681	A1	19981221	AU 1998-76681	19980601
EP 988353	A1	20000329	EP 1998-924488	19980601
R: BE, DE, ES, FR, GB, IT, NL				

PRIORITY APPLN. INFO.: GB 1997-11237 19970602

WO 1998-GB1587 19980601

OTHER SOURCE(S): MARPAT 130:73617

AB Light-emitting devices are described which employ organometallic complexes comprising a lanthanide metal cation complexed with 1-3 polydentate ligands contg. .gtoreq.1 (un)substituted pyrazolyl groups optionally fused with (un)substituted heterocyclic or carbocyclic (non)arom. ring systems, with a coordinate bond formed between the metal and one of the nitrogen atoms of the pyrazolyl rings. Preferably, the ligands comprise trispyrazolyl borate derivs. Organometallic compds. suitable for the devices are also claimed, as are methods of producing them entailing the reaction of the ligands with a cation followed by sepn. of the products. Compns. combining the compds. with a matrix material are also described. Use in electroluminescent flat panel displays is also described.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 ibib abs

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:217117 CAPLUS

DOCUMENT NUMBER: 114:217117

TITLE: Luminescence studies of tris[dihydrobis(1-pyrazolyl)borato]**terbium**(III)

AUTHOR(S): Reger, Daniel L.; Chou, Pi Tai; Studer, Shannon L.; Knox, Steven J.; Martinez, Marty L.; Brewer, William E.

CORPORATE SOURCE: Dep. Chem., Univ. South Carolina, Columbia, SC, 29208, USA

SOURCE: Inorg. Chem. (1991), 30(10), 2397-402
CODEN: INOCAJ; ISSN: 0020-1669

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The luminescence spectra and dynamics of [H2B(**pz**)2]3Tb were studied at different temps., in the solid phase, and in various solvents. Anal. of the data for the cryst. sample based on the electron dipole selection rules reveals effective C3 symmetry. Thus, the luminescence spectra are those expected for the trigonal-prismatic arrangement of the nitrogen donor atoms, but are influenced by the three weak **BH**---**Tb** three-center bonds to each of the rectangular faces. Similar luminescence spectra were obsd. for [H2B(**pz**)2]3Tb in CH2Cl2 and toluene solns. In donor solvents, complexation of [H2B(**pz**)2]3Tb with the solvent mols. changes the lifetime and the spectral features of the luminescence, indicating a change in the coordination environment about [H2B(**pz**)2]3Tb.

=> d his

(FILE 'HOME' ENTERED AT 12:19:19 ON 01 FEB 2002)

FILE 'REGISTRY' ENTERED AT 12:19:32 ON 01 FEB 2002

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 12:19:52 ON 01 FEB 2002

L1 23095 S PZ OR PYRAZOLYL OR TRISPYRAZOYL

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L2         68584 S BH OR BORON HYDRIDE OR BOROHYDRIDE
L3         76494 S TB OR TERBIUM
L4         42562 S LANTHANIDE
L5          1898 S ORGANOMETALLIC COMPLEX
L6          2267 S L1(L)L2
L7            63 S L1(P)L2
L8             3 S L7 AND L3
L9             3 DUP REM L8 (0 DUPLICATES REMOVED)

=> s l7 and l4
L10            5 L7 AND L4

=> l10 not l8
L10 IS NOT A RECOGNIZED COMMAND
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=> s l10 not l8
L11            3 L10 NOT L8

=> d ibib abs

L11  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:         1999:279293  CAPLUS
DOCUMENT NUMBER:          131:27043
TITLE:                    Lanthanide alkyl and hydride complexes
                          containing the tris(pyrazolyl)
                          borohydride ligand and their activity as
                          homogeneous polymerization catalysts
AUTHOR(S):                Long, David Pearson
CORPORATE SOURCE:         Univ. of Massachusetts, Amherst, MA, USA
SOURCE:                   (1998) 234 pp.  Avail.: UMI, Order No. DA9909183
                          From: Diss. Abstr. Int., B 1999, 59(10), 5360
DOCUMENT TYPE:            Dissertation
LANGUAGE:                 English
AB   Unavailable


=> d 2 ibib abs

L11  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:         1997:588206  CAPLUS
DOCUMENT NUMBER:          127:184754
TITLE:                    Synthesis, Structure, and Reactions of Hydride,
                          Borohydride, and Aluminohydride Compounds of the
                          f-Elements
AUTHOR(S):                Ephritikhine, Michel
CORPORATE SOURCE:         Service de Chimie Moleculaire DSM, DRECAM CNRS URA
331
                          CEA Saclay, Gif sur Yvette, 91191, Fr.
SOURCE:                   Chem. Rev. (Washington, D. C.) (1997), 97(6),
                          2193-2242
                          CODEN: CHREAY; ISSN: 0009-2665
PUBLISHER:                American Chemical Society
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
AB   A review with 304 refs.  An assessment is given of the synthesis,
     structures, and reactions of mol. f-element hydrides.  The hydrides of
     scandium, yttrium, and lanthanum are included because of their close
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similarity. Also presented are properties of the **borohydride**, aluminohydride, and alane compds. of these metals. Complexes with agostic C-H bonds are not discussed, nor are poly(**pyrazolyl**)borate complexes, which were the subject of another review (I. Santos, et al., 1995).

=> d 3 ibib abs

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:689344 CAPLUS
DOCUMENT NUMBER: 126:31698
TITLE: A Catalytic System for Ethylene Polymerization Based on Group III and **Lanthanide** Complexes of Tris(pyrazolyl)borate Ligands
AUTHOR(S): Long, David P.; Bianconi, Patricia A.
CORPORATE SOURCE: Department of Chemistry, Pennsylvania State University, University Park, PA, 16802, USA
SOURCE: J. Am. Chem. Soc. (1996), 118(49), 12453-12454
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Numerous reports have shown the viability of tris(pryrazolyl)borates as an effective ligand system for the system control around a metal center. WE report here the synthesis and characterization of tris(3,5-dimethyl-1-**pyrazolyl**)**borohydride** (TpMe) complexes of yttrium of the general formula [TpMeYR2(THF)x] [R = C6H5, CH2SiMe3]. We have found these complexes and similar ones of variously substituted Tp ligands, as well as analogous **lanthanide** complexes, to be active in the catalytic polymn. of ethylene to linear, extremely high mol. wt. polymers. The variations in polymn. activity and yields of polyethylene (PE) that are obtained from different members of this class of complexes show that synthetic tailoring allows control over the rate of the polymn. reaction and the yield of the PE product.

=> FIL STNGUIDE

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	ENTRY	SESSION
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